

FIG. 1

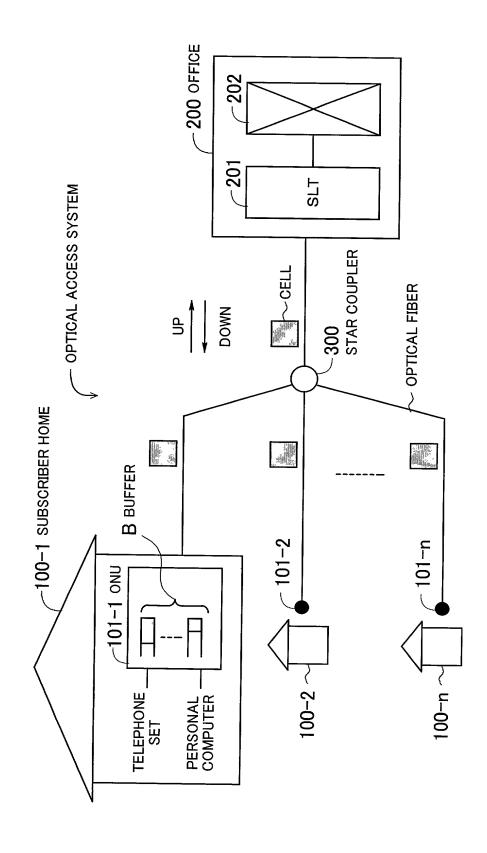
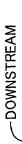


FIG. 2



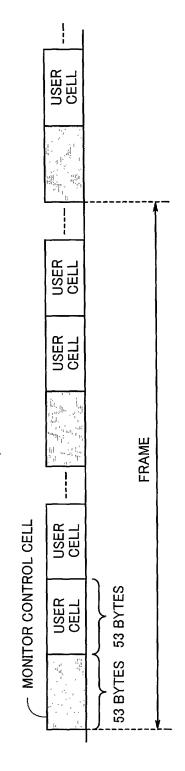


FIG. 3

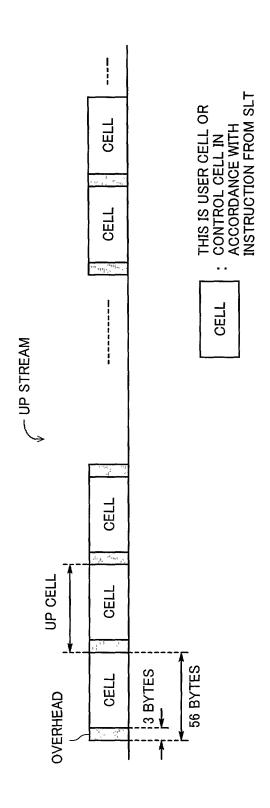


FIG. 4

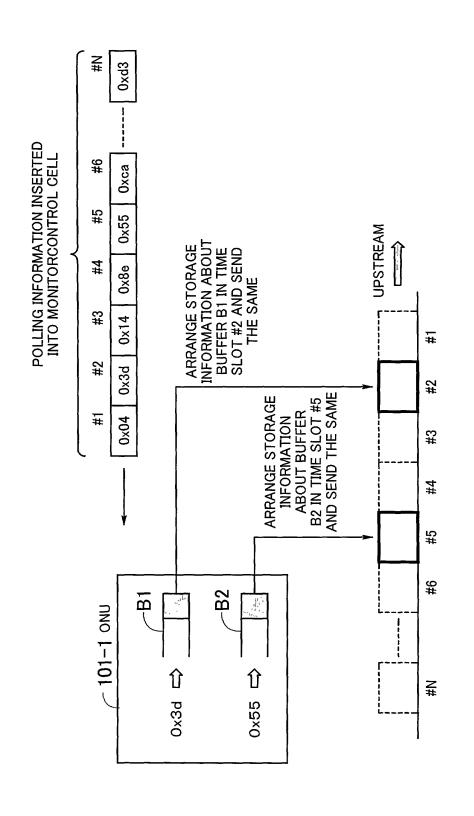


FIG. 5

FIG. 6(A)
PRIOR ART

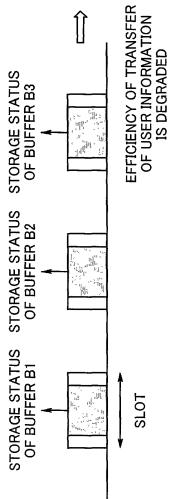
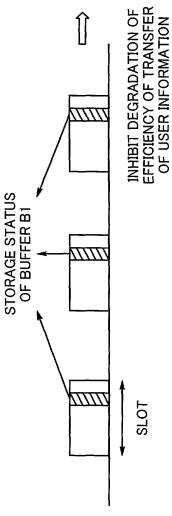


FIG. 6(B)



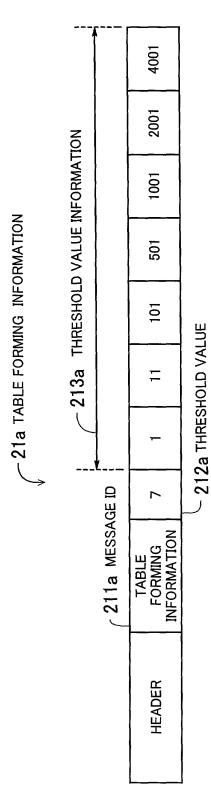


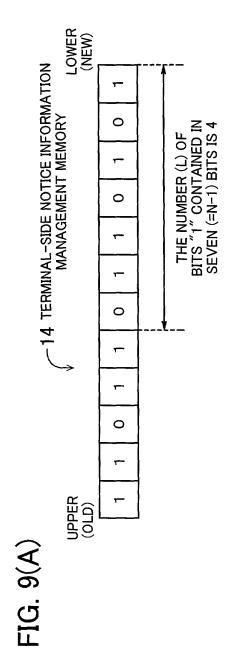
FIG. 7

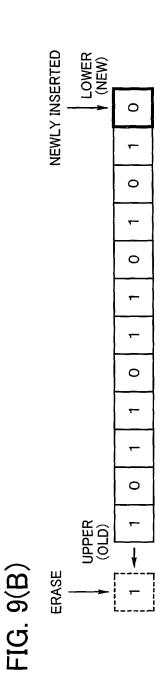
Ta CORRESPONDENCE TABLE

IN-BUFFER INFORMATION AMOUNT	BUFFER STATUS VALUE
0	0
1~10	1
11~100	2
101~500	3
501~1000	4
1001~2000	5
2001~4000	6
4001 OR MORE	7

(HIERARCHICAL NUMBER N=8)

FIG. 8





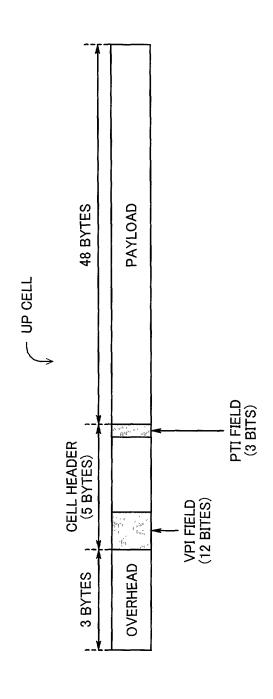
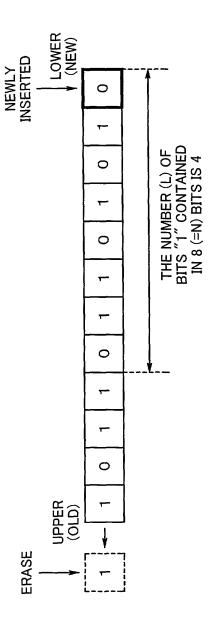


FIG.10





FIG. 11(B)



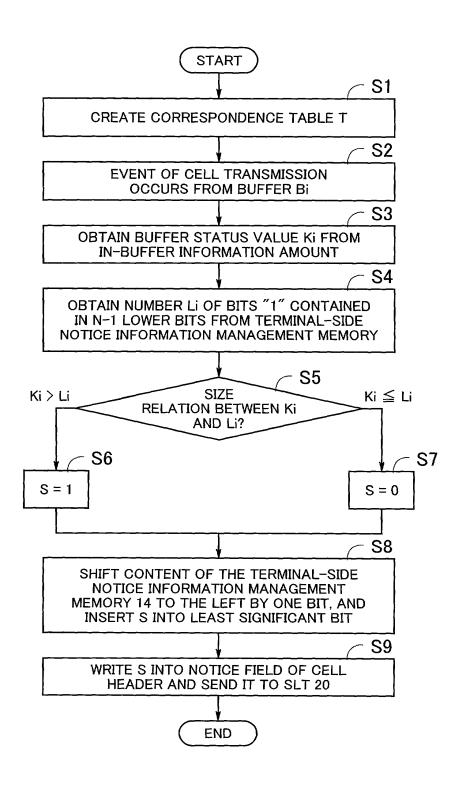


FIG.12

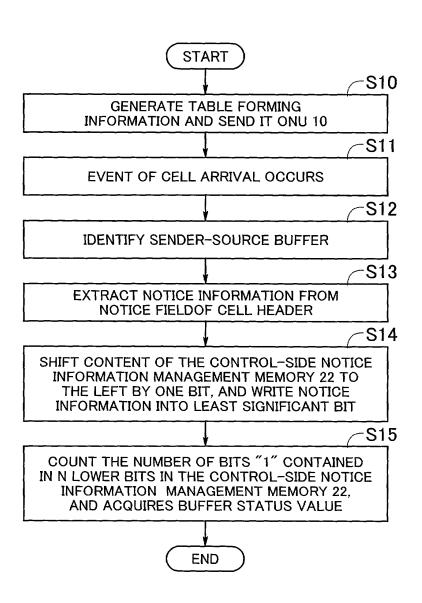


FIG.13



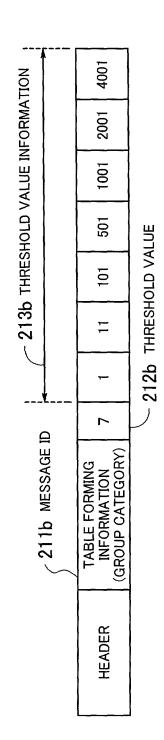


FIG. 14

Tb CORRESPONDENCE TABLE

IN-GROUP INFORMATION AMOUNT	GROUP STATUS VALUE
0	0
1~10	1
11~100	2
101~500	3
501~1000	4
1001~2000	5
2001~4000	6
40010R MORE	7

(HIERARCHICAL NUMBER N=8)

FIG. 15

FIG. 16(A)

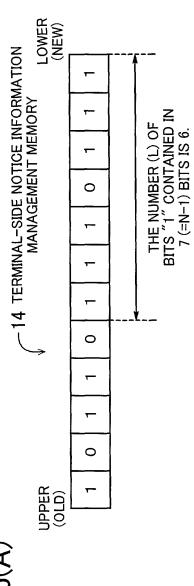
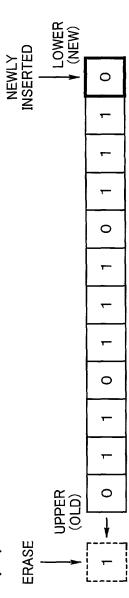


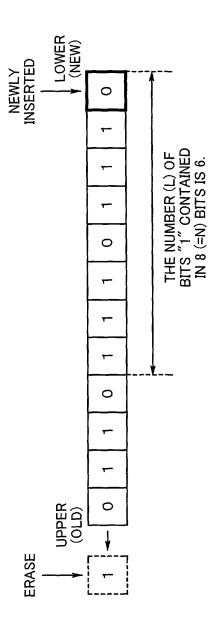
FIG. 16(B)



— 22 CONTROL-SIDE NOTICE INFORMATION MANAGEMENT MEMORY UPPER (OLD) FIG. 17(A)

LOWER (NEW) 0 0 0

FIG. 17(B)



 $-21c\,$ Table forming information

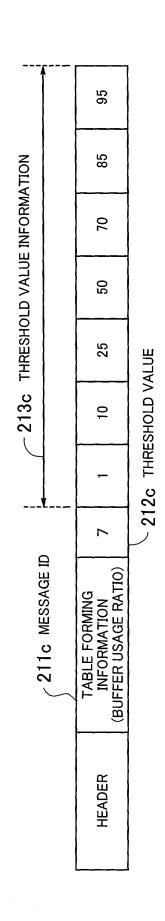


FIG. 18

√Tc CORRESPONDENCE TABLE

BUFFER USAGE RATIO (X) [%]	BUFFER STATUS VALUE
0≦X<1	0
1≦X<10	1
10≦X<25	2
25≦X<50	3
50≦X<70	4
70≦X<85	5
85≦X<95	6
95≦X<100	7

FIG. 19

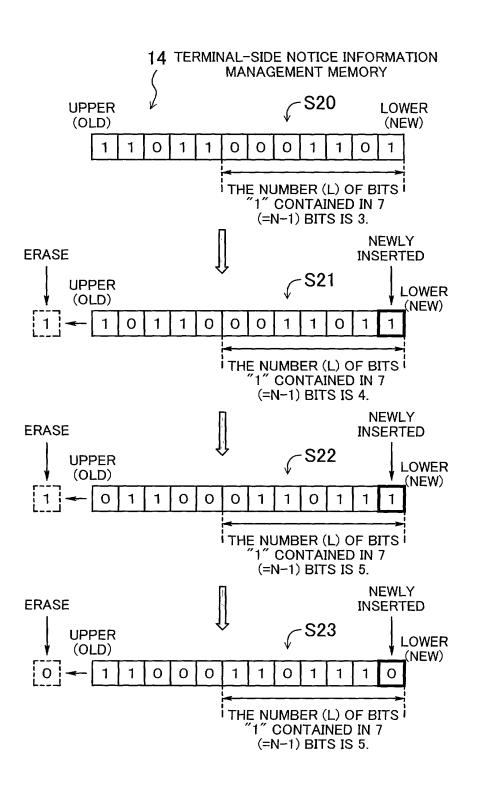


FIG. 20

FIG. 21(A)

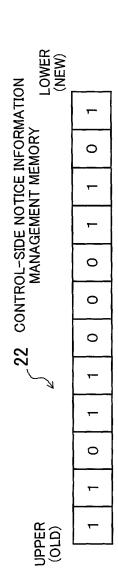
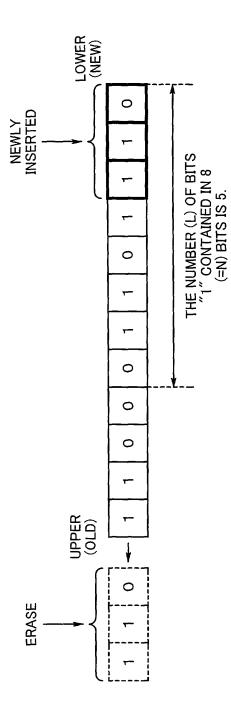


FIG. 21(B)



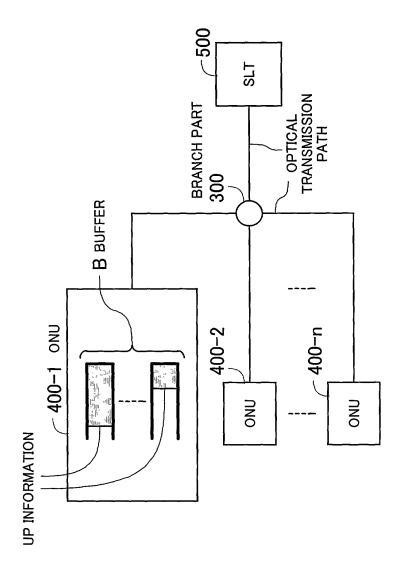


FIG. 22 PRIOR ART